Prospekt ESG-100 - 1 16.01.2008 12:11 Uhr Seite 1

Always a clear view

Olympus ESG-100 has been designed to work together with the new peristaltic pump AFU-100. The foot pedal of the generator can also be used to activate the pump. With its maximum flow of 600 ml/min, this roller pump is useful to clean the treatment site through the endoscopes' instrument channel and to flush through EndoTherapy instruments. The AFU-100 offers fast tube insertion, three programmable pre-set flow rates, as well as a variable flow rate and follows the easy-to-use concept of the ESG-100.

One system made for you

An easy-to-use interface and an intuitive selection of output modes with the additional foot pedal button are clear advantages of the Olympus ESG-100. The result: 'hands-free' operation while performing advanced procedures requiring frequent changes of the output mode. The ergonomic design of every part of the system makes the Olympus ESG-100 very user friendly. Even suitable for beginners.

The system fits well in all standard Olympus trolleys and carts. Its compact design meets the requirements for space saving medical devices and for an advanced workflow in today's EndoSuites.

Simply smart.

Technical data

Olympus ESG-100	Specifications
High frequency	330 – 380 kHz
Type, protection class	CF, Class I
Power supply	220–240 V (WB991036), 100–120 V (WB991046), 50/60 Hz, 400 VA
Size (W×D×H)	295×375×115 mm
Weight, without footswitch	6.5 kg
Monopolar output	
Sockets	Ø 6 mm A-cord
Single/split neutral electrode	10 mm 2-pins
Cut 1/2/3	120 W @ 500 Ohms
PulseCut slow/fast	120 W @ 500 Ohms
SoftCoag	120 W @ 100 Ohms
ForcedCoag 1	50 W @ 500 Ohms
ForcedCoag 2	120 W @ 500 Ohms
Bipolar output	
Sockets	28.8 mm 2-pins and Ø 4/8 mm coaxial
Cut 1/2/3	120 W @ 500 Ohms
SoftCoag	120 W @ 100 Ohms
RFCoag incl. RCAP	40 W @ 100 Ohms

Olympus AFU-100	Specifications
Flow rate	10 – 270 ml/min (Pump tube ID3.2 mm)
	20 – 600 ml/min (Pump tube ID4.8 mm)
Pump head	4 rollers, detachable
Type, protection class	CF, Class I
Power supply	100–240 V, 50/60 Hz, 60 VA
Size (W×D×H), incl. pump head	295×430×115 mm
Weight, without footswitch	5.6 kg

Ordering information

Components	Order Number
Olympus ESG-100 (220–240 V), including footswitch	WB991036
Olympus ESG-100 (100–120 V), including footswitch	WB991046
Olympus AFU-100 (100–240 V), including connection cable	WB950167
Footswitch for AFU-100 (optional)	WB950242
Pump tube ID3.2 mm (15 pieces/box, sterile single use, length: 0.5 m)	WB920137
Pump tube ID4.8 mm (15 pieces/box, sterile single use, length: 0.5 m)	WB920138

Specifications and design are subject to change without any obligation on the part of the manufacturer.

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OLYMPUS

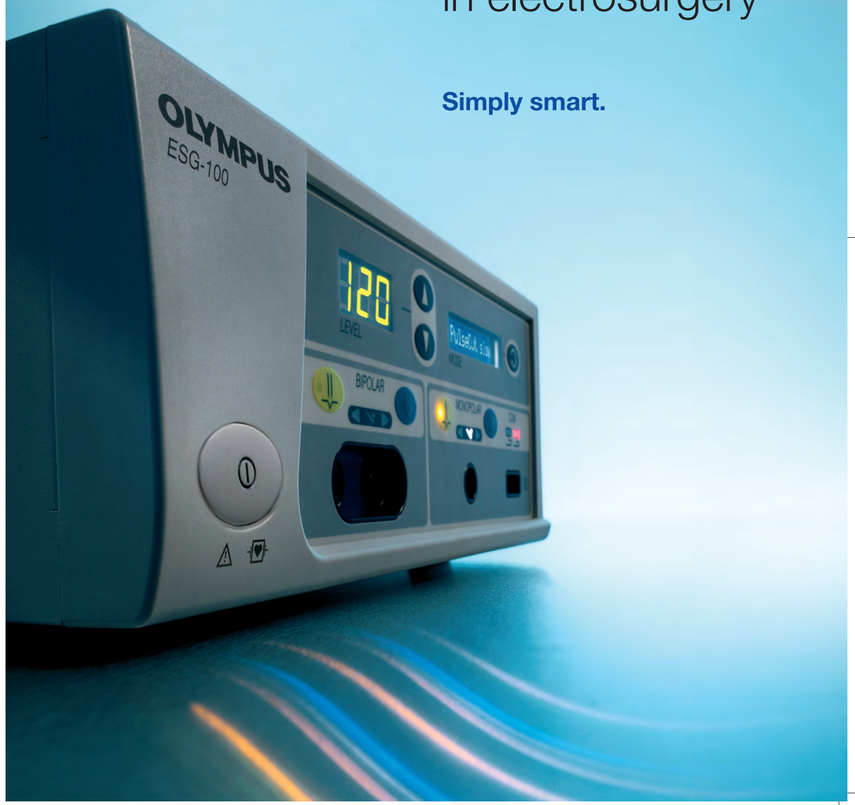
Your Vision, Our Future

ELECTROSURGICAL GENERATOR

OLYMPUS ESG-100

A new dimension in electrosurgery

Simply smart.



Prospekt ESG-100 - 1 16.01.2008 12:11 Uhr Seite 2

From the leader in flexible endoscopy

Revolutionary imaging technologies such as HDTV and NBI emphasises Olympus' leadership in flexible endoscopy for the gastrointestinal tract and respiratory systems. In order to offer the procedural solutions that today's endoscopists are looking for, Olympus has focused on delivering excellence in electrosurgery. In collaboration with a worldwide network of research centres, universities and hospitals, Olympus has developed the new Electrosurgical Generator ESG-100. This innovative product meets your needs as well as the highest international quality standards. Its output power of up to 120 watts and a variety of monopolar and bipolar modes for cutting and coagulation support all electrosurgical procedures in flexible endoscopy.

Simply smart.

Highest safety meets outstanding effectiveness

Olympus ESG-100 incorporates technical features that provide excellent effectiveness and highest safety in cutting and coagulation during endoscopic procedures.

Olympus' **Rapid Spark Technology™** features High Power Cut Support (HPCS) to achieve immediate spark ignition and Fast Spark Monitor (FSM) to optimise cutting procedures in various tissue structures. Always as much as necessary; never as much as possible.

➔ **The results: reduced leakage currents, reproducible tissue effects and enhanced protection of EndoTherapy instruments.**

Olympus' **Versatile Coagulation Technology™** enables fast and effective desiccation as well as soft and deep tissue coagulation in monopolar and bipolar modes.

➔ **The results: controlled haemostasis as well as effective coagulation of larger tissue volumes with end-of-procedure detection and acoustic feedback.**

Simply smart.

Procedural solutions make the difference

International endoscopy specialists have assessed the clinical performance of daily electrosurgical applications in gastroenterology and pneumology. Combined with Olympus' Imaging and EndoTherapy products, this new electrosurgical generator offers procedural solutions that are suitable for state-of-the art endoscopies.

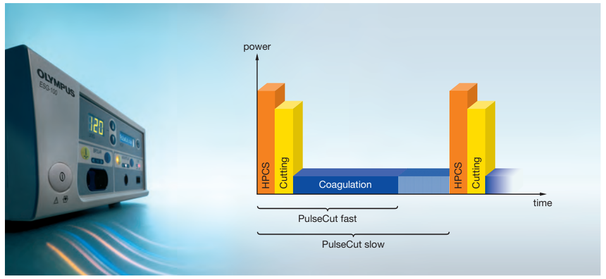
➔ **Their conclusion: the Olympus ESG-100 is an easy-to-use and safe generator empowering existing and future EndoTherapy instruments.**

Simply smart.

Cutting modes to meet your needs

Monopolar and bipolar continuous cutting modes with low, medium or high thermal effects in tissue.

➔ **The innovation: monopolar intermittent cutting mode with two different speed settings.**



Coagulation modes to meet your needs

One monopolar soft coagulation mode with minimal sticking for controlled desiccation. Two monopolar forced coagulation modes for fast and effective haemostasis with low and high power capabilities.

➔ **The innovation: two modes suitable for deep tissue denaturation. With acoustic feedback and automatic end-of-procedure detection.**